QUALCOMM Incorporated

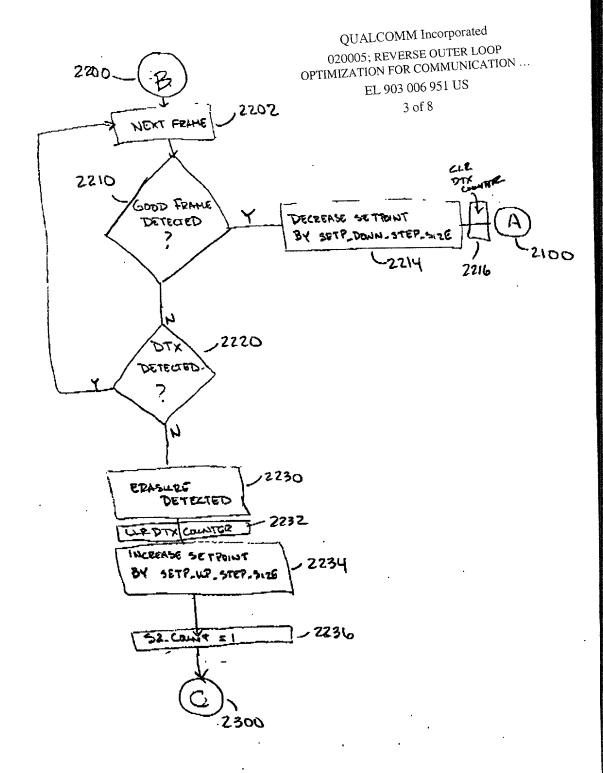
020005; REVERSE OUTER LOOP OPTIMIZATION FOR COMMUNICATION ...

EL 903 006 951 US 1 of 8 Expected Tabbet Fer P(DE) ESTIMATE COMMUNICATION

CHANNEL CONDITIONS

## QUALCOMM Incorporated 020005; REVERSE OUTER LOOP OPTIMIZATION FOR COMMUNICATION ... SIDO EL 903 006 951 US 2 of 8 DEXTEREME / 2110 GOOD FRAME DETECTED DECREASE SETPOINT BY SETP\_DOWN\_STEP\_SIR COUNTER 2114 2116 2120 EKANEE DETECTED INCREME SETPOINT ? CIR BY SETP\_UP\_STEP\_SI DUX COME B 2126 2124 $DT_{X}$ 2130 DETECTED INCLEMENT DEVLOCATE DTX\_50\_TQ-51 2140 Consecutione DIX EMOTAS IOMS 2200

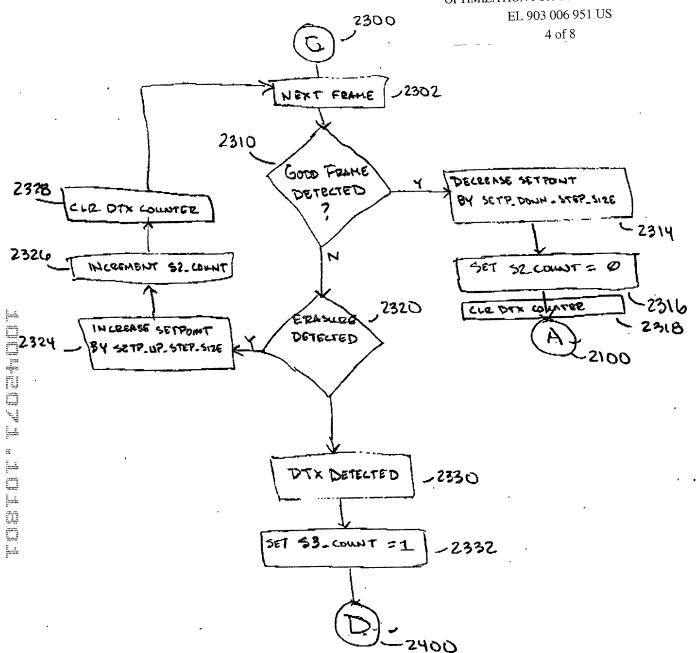
STATE O FIG 2A



STATE 1

FIG ZB

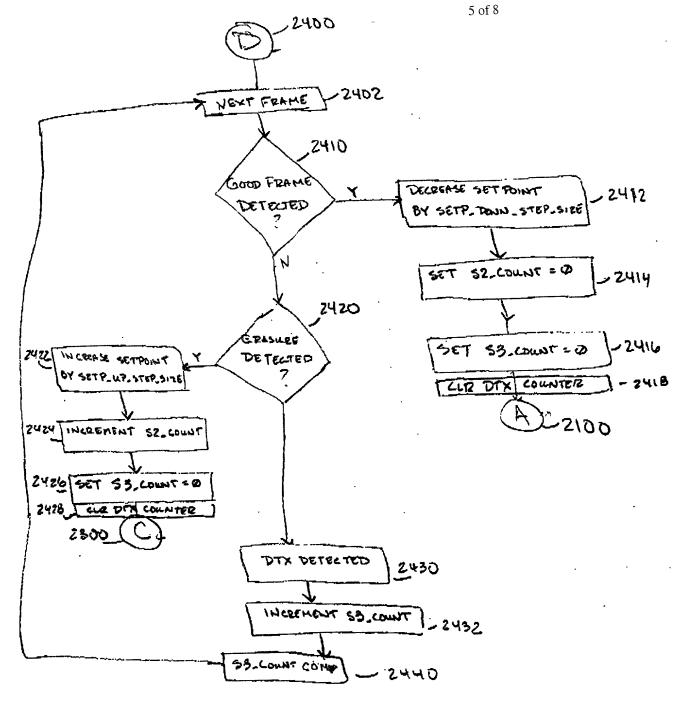
QUALCOMM Incorporated 020005; REVERSE OUTER LOOP OPTIMIZATION FOR COMMUNICATION . .



STATE 2

FIG 2C

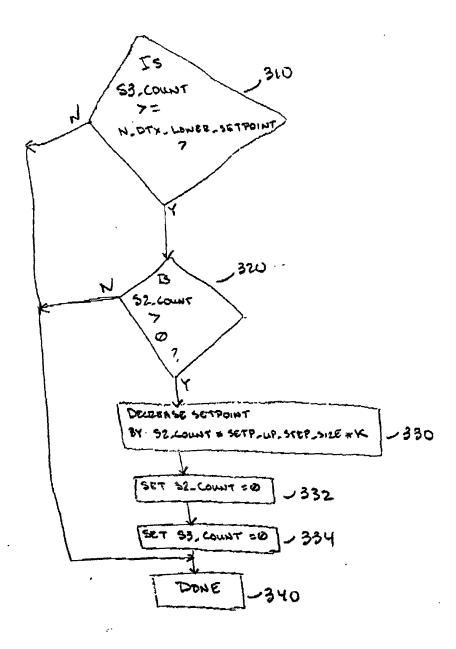
QUALCOMM Incorporated 020005; REVERSE OUTER LOOP OPTIMIZATION FOR COMMUNICATION ... EL 903 006 951 US



STATE 3

FIGZD

6 of 8



2440

refler freely freely freely freely freely of the

S3\_COUNT COMPENSATION

F16 3

OPTIMIZATION FOR COMMUNICATION ... EL 903 006 951 US 1412 410 7 of 8 ERASURE, A SETP\_UPSTEP\_SIZ GOOD, & SETP\_DOWNLSTEP\_SI A NO CHARGE DTX , NO CHANGE Els Navog Alland 414 446 DIX/NO CHANGE 432 A: # of consecutive DTX frames == N\_DTX\_SO\_TO FIG. 4

QUALCOMM Incorporated 020005; REVERSE OUTER LOOP